

ACUTE HEALTH *

SECTION I

NAME

SHELL

CODE

NO.

QPL 1688

MATERIAL SAFETY DATA SHEET

Mark . MSDS NUMBER 23-5 PAGE 1 97367 (4-85) 24 HOUR EMERGENCY ASSISTANCE GENERAL MSDS ASSISTANCE **BE SAFE** SHELL: 713-473-9461 CHEMTREC: 800-424-9300 SHELL: 713-241-4819 READ OUR PRODUCT SAFETY INFORMATION FIRE REACTIVITY AND LEAST - 0 SLIGHT - 1 MODERATE - 2 HAZARD RATING ه لاند PASS IT ON EXTREME -(PRODUCT LIABILITY LAW REQUIRES IT) *For acute and chronic health effects refer to the discussion in Seption III NAME PRODUCT | EPON(R) RESIN 828 FEB 19 1996 🌬 CHEMICAL BISPHENOL A/EPICHLOROHYDRIN RESIN OCCUPATIONAL V MOTT CHEMICAL POXY RESIN 43240 SECTION II-A PRODUCT/INGREDIENT COMPOSITION CAS NUMBER PERCENT EPON RESIN 828 25068-38-6 100 177 29,000,00 ACUTE TOXICITY DATA

SECTION II-B

NO ACUTE ORAL LD50 ACUTE DERMAL LD50 ACUTE INHALATION LC50

11.4 G/KG (RAT) > 20 M/KG (RABBIT) NO DEATHS IN SAT'D AIR, 8 HR.

15.6 G/KG (MOUSE) TOTAL PROGRESS OF THE PARTY DATE OF THE PARTY OF THE PARTY.

SECTION III HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT

BASED ON PRODUCT TESTING PRODUCT IS MODERATELY IRRITATING TO THE EYES.

BASED ON PRODUCT TESTING PRODUCT IS MODERATELY IRRITATING TO THE SKIN. BASED ON PRODUCT TESTING PRODUCT MAY CAUSE SKIN SENSITIZATION.

INHALATION

BECAUSE OF ITS VERY LOW VOLATILITY THIS PRODUCT IS NOT LIKELY TO PRODUCE ANY ADVERSE EFFECT BY INHALATION . As the second of the second of

BASED ON PRODUCT TESTING PRODUCT IS GENERALLY CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.

SIGNS AND SYMPTOMS

IRRITATION AS NOTED. SKIN SENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

AGGRAVATED MEDICAL CONDITIONS

PREEXISTING SKIN ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS FROM EXPOSURE TO THIS PRODUCT. PREEXISTING SKIN AND EYE DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS

PRODUCT NAME: EPON(R) RESIN 828

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DOOR-AGE CONTRIBUTION TO ACTIVATION SELECTION

PRODUCT.

PROBLEM DESCRIPTION

OTHER HEALTH EFFECTS

CHARLESANK SHORE CLAUNK Maria transportation de la companya de la companya

NO OTHER HEALTH EFFECTS ARE KNOWN.

OCCUPATIONAL EXPOSURE LIMITS

PEL/CEILING TLV/TWA TLV/STEL

* NO OSHA NOR ACGIH LIMITS HAVE BEEN ESTABLISHED.

EMERGENCY AND FIRST AID PROCEDURES SECTION V

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN.

GET MEDICAL ATTENTION GET MEDICAL ATTENTION.

SKIN CONTACT

IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DESTROYED.

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION:

DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.* THE FOR THE PARTY OF THE PARTY

Vanca inverso stable

NOTE TO PHYSICIAN Totale James British Com *IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS.

ALTHOUGH THE SIGNIFICANCE IS UNKNOWN, EPON RESIN 828 HAS BEEN SHOWN TO BE MUTAGENIC IN SOME MICROBIAL TESTS, BUT HAS FAILED TO SHOW MUTAGENICITY IN OTHERS. CHROMOSOMAL ABERRATIONS WERE OBSERVED IN CULTURED RAT LIVER CELLS.

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BASED ON PRODUCT VERTING PROGUCT 13 HODERSTELV LAWITATENG TO THE EVES.

SECTION VIT

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BOILING POINT: NOT AVAILABLE SPECIFIC GRAVITY: 1.17 VAPOR PRESSURE: NOT AVAILABLE (MM HG)

POSTAKTTIBUSE WINE TOURS THE TOURS

MELTING POINT: NOT AVAILABLE SOLUBILITY: NEGLIBLE VAPOR DENSITY: NOT APPLICABLE (DEG F) (IN WATER)

EVAPORATION RATE (N-BUTYL ACETATE = 1): NOT APPLICABLE ACCOUNTS ACCOUNTS CONTRACTOR

APPEARANCE AND ODOR: VERY LIGHT YELLOW, VERY VISCOUS LIQUID.

PRUDUCT NAME: EPON(R) RESIN 828

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SECTION VIII FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:

480 DEG F (PMCC)

FLAMMABLE LIMITS /% VOLUME IN AIR

LOWER: N/AV UPPER: N/AV

EXTINGUISHING MEDIA
USE WATER FOG. FOAM. DRY CHEMICAL OR CO2:

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS
MATERIAL WILL NOT RUPN UNITED DESCRIPTIONS MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

The statement of the st

UNUSUAL FIRE AND EXPLOSION HAZARDS

NO UNUSUAL HAZARDS.

SECTION IX REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID:

CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS OR MINERAL ACIDS. IN REACTIONS WITH MANY CURING AGENTS, CONSIDERABLE HEAT IS RELEASED.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE, ALDEHYDES AND ACIDS MAY BE FORMED DURING COMBUSTION. REACTION WITH SOME CURING AGENTS MAY PRODUCE CONSIDERABLE HEAT.

SECTION X EMPLOYEE PROTECTION

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TERRITOR A MARKE

RESPIRATORY PROTECTION

NOT ORDINARILY REQUIRED. IF RESIN IS WARMED OR HEATED VAPORS OR MISTS MAY BE PRODUCED. IN SUCH CASES, USE A NIOSH-APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134, USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR DRGANIC VAPORS.

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL-RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT. MY TERMINER

ADDITIONAL PROTECTIVE MEASURES

USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. (IF HEATED, VAPORS OR MIST MAY BE

SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES

MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING UP LARGE SPILLS. LARGE SPILLS *** WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK
IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS.
SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. *** SMALL SPILLS *** TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

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SECTION XII SPECIAL PRECAUTIONS

STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES. HANDLE IN ACCORDANCE WITH THE HAZARD POTENTIAL OF CURING AGENT(S) USED. CAUTION:
MAY CAUSE IRRITATION. AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.
AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DESTROYED SATISFACE OF A DESCRIPTION OF A DES

ACCURATION FOR STATE OF THE STA

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT HAZARDOUS BY D.O.T. REGULATIONS

D.O.T. PROPER SHIPPING NAME: NOT REGULATED

OTHER REQUIREMENTS:

SECTION XIV

OTHER REGULATORY CONTROLS

THIS PRODUCT IS LISTED ON THE EPA/TSGA INVENTORY OF CHEMICAL SUBSTANCES.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN. WITCHIST PROTECTION . I labage mai i godinama sa la kaliya ka ka bangan bordig. Banganya di kabas yi i daliying yiriya ka aad Tirangan magangan magangan magangan magangan magangan birangan magangan magangan magangan magangan magangan ma

PLACE IN AN APPROPRIATE STOPSARE PROTUTTY IN SCHOOL WITH LOCKE MEGAL DESCRIPTION

DATE PREPARED: SEPTEMBER 16, 1985

READ OUR PRODUCT SAFETY INFORMATION ... AND PASS IT ON (PRODUCT LIABILITY LAW

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